

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

WARM WEATHER PUSHED CROP DEVELOPMENT

Crop development in Minnesota showed significant progress as warm, humid weather settled over the state, according to the USDA, NASS, Minnesota Field Office. Small grain development advanced rapidly and surpassed the five-year average pace, while corn and soybeans progressed ahead of the five-year average. Heavy rains in the extreme northwest portion of the state flooded fields and drowned crops in some areas. These heavy rains left wet conditions in other areas causing farmers to spray only by air.

The average temperature for the week was 70.3 degrees, 1.0 degrees above normal. Statewide topsoil moisture supplies as of July 8th were rated 1% very short, 9% short, 75% adequate, and 15% surplus.

An estimated 87% of Spring Wheat acreage was headed as of Sunday, compared with 67% for the same date in 2004 and 79% for the five-year average.

Oats were 89% headed, compared with 76% last year and 87% for the five-year average. Barley was 89% headed, compared with 63% last year and 78% for the five-year average.

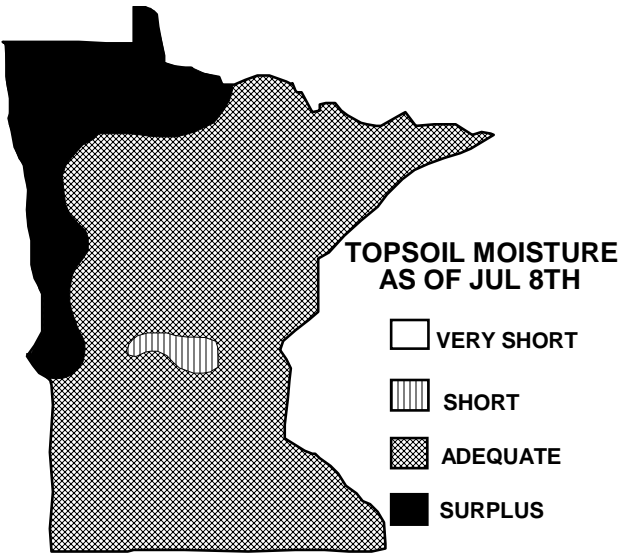
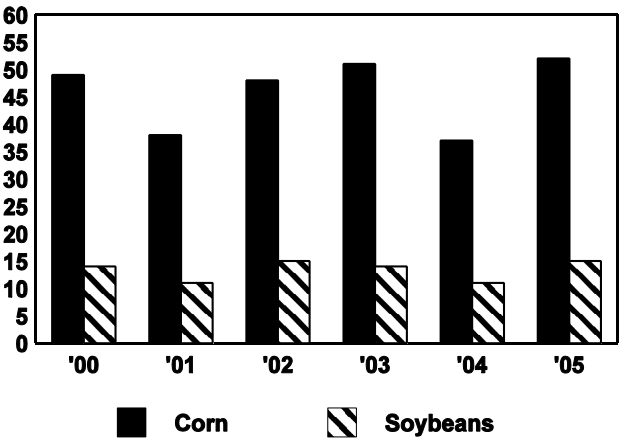
Corn height was 52 inches compared with 37 inches last year and 45 inches for the five-year average. Soybean height was 15 inches, compared with 11 inches last year and ahead of the 5-year average of 13 inches.

Days Suitable for Fieldwork: 5.6				
	Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)	1	9	75	15

Crop Progress as of July 10, 2005					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height - Inches	52	37	37	45
	Silking	1	NA	1	4
Soybeans	Height - Inches	15	10	11	13
	Blooming	36	NA	21	25
Spring Wheat	Jointed	99	88	95	96
	Heading	87	50	67	79
Oats	Jointed	99	95	94	97
	Heading	89	71	76	87
Barley	Jointed	99	91	88	95
	Heading	89	54	63	78
Alfalfa Hay	First Cutting	96	88	94	97
Sweet Corn	Planted	99	97	99	99

Crop Condition as of July 8, 2005 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	2	5	22	58	13
Field Corn	2	4	20	53	21
Soybeans	2	6	25	51	16
Spring Wheat	1	11	26	47	15
Barley	4	13	28	44	11
Oats	3	4	21	57	15
Dry Beans	1	4	32	54	9
Potatoes	2	3	22	47	26
Sunflowers	2	6	28	52	12
Sugarbeets	1	9	25	53	12
Canola	32	33	31	3	1

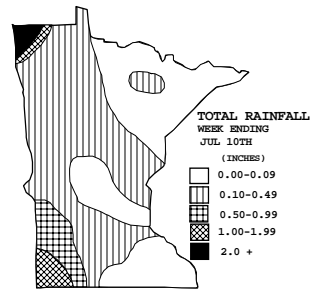
CORN AND SOYBEANS HEIGHT
IN INCHES AS OF JULY 10, 2005



Doug Kilburg
Mathematical Statistician

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Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 10, 2005:
Temperatures averaged from 0.2 degree below normal in the Southeast District to 3.0 degrees above normal in the North Central District. Extremes: 96° in Red Wing; 41° in Grand Marais. Precipitation averaged from 0.93 inch below normal in the South Central District to 0.01 inch below normal in the Southwest District. Greatest weekly total was 1.08 inches recorded in Worthington.



Precipitation and Temperature Summary for 7/4/2005 through 7/10/2005

	Temperature				Precipitation				G D D		
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 4	Depart from Norm	
<u>NW DIST 1</u>											
Crookston	91	54	69.7	.9	.14	-.60	-.32	1.34	926	-22	
Moorhead	90	53	72.1	2.2	.17	-.53	.18	3.52	1008	18	
Warroad	90	55	68.2	1.5	.16	-.71	2.55	3.29	776	-36	
<u>NC DIST 2</u>											
Grand Rapids	92	47	69.0	2.1	.02	-1.08	-1.60	.30	847	21	
Intl. Falls	91	49	67.5	2.0	0	-.82	.84	3.13	749	-27	
Itasca	90	53	70.4	4.9	.13	-.80	-1.11	1.67	855	91	
<u>NE DIST 3</u>											
Duluth	87	44	65.9	1.2	0	-.98	-.78	1.53	695	11	
Grand Marais	82	41	58.2	-.6	.03	-.76	.03	1.63	383	-39	
Hibbing	89	43	65.8	.5	.14	-.98	-2.24	-3.98	742	1	
<u>WC DIST 4</u>											
Alexandria	90	55	71.1	1.6	.01	-.78	.63	1.56	955	13	
Browns Valley	M	M	M	M	0m	-.80m	.69m	3.30m	897m	-150m	
Canby	90	53	73.2	.5	.83	.00	-1.73	.91	1154	49	
Fergus Falls	90	55	70.4	1.1	.18	-.61	.15	4.84	1004	48	
Montevideo	92	54	71.9	.4	.85	.02	-1.18	2.76	1075	19	
Morris	87	55	70.4	-.2	.37	-.55	-.47	2.39	1014	-16	
<u>CENT DIST 5</u>											
Becker	91	55	72.0	2.7	.06	-.91	-.37	.69	1083	141	
Collegeville	91	55	74.4	2.8	0	-.87	-1.95	2.08	1121	48	
Hutchinson	90	54	71.8	.0	.38	-.51	-2.00	2.02	1102	21	
Olivia	89	55	71.4	.3	.19	-.68	-1.92	2.93	1082	19	
St. Cloud	92	54	72.3	3.0	0	-.80	-2.05	-.75	1055	113	
Staples	89	53	69.2	2.3	0	-.88	.66	2.91	894	46	
Willmar	89	55	71.0	.0	.13	-.80	-3.13	-1.40	1067	20	
<u>EC DIST 6</u>											
Aitkin	88	50	69.2	3.0	.18	-.90	.25	2.53	881	86	
Forest Lake	92	53	71.4	1.0	.30	-.74	.96	-.33	1097	80	
MSP Airport	93	58	74.8	2.1	0	-.93	-1.57	-1.73	1206	98	
St. Paul - UofM	91	55	73.6	.6	0	-1.03	-.09	-.31	1192	45	
<u>SW DIST 7</u>											
Lamberton	88	51	70.8	-1.2	.83	-.01	-1.05	3.64	1112	1	
Pipestone	88	52	70.8	-.3	1.02	.23	.62	2.50	1067	32	
Redwood Falls	90	55	72.8	-.4	.44	-.45	-.78	1.91	1131	-37	
Worthington	87	53	71.5	.7	1.08	.21	-1.14	2.26	1095	74	
<u>SC DIST 8</u>											
Faribault	89	54	71.2	.1	.10	-.86	-.36	2.26	1089	55	
Mankato	88	57	71.8	.1	.15	-.91	-3.31	-.41	1103	19	
Waseca	88	57	71.5	.4	0	-.99	.27	2.63	1134	65	
Winnebago	88	55	72.6	.8	0	-.95	-.27	3.53	1131	39	
<u>SE DIST 9</u>											
Preston	84	50	69.4	-.7	0	-1.06	-2.36	-1.80	1028	45	
Red Wing	96	57	72.8	1.2	.14	-.83	-2.40	-1.35	1144	81	
Rochester	87	56	71.2	1.4	0	-1.03	-2.32	-2.90	1112	135	
Rosemount	89	55	71.0	-.6	.15	-.91	-2.12	-3.26	1129	47	
Winona	90	54	71.0	-3.4	.05	-.89	-2.88	-2.66	1173	-18	

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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